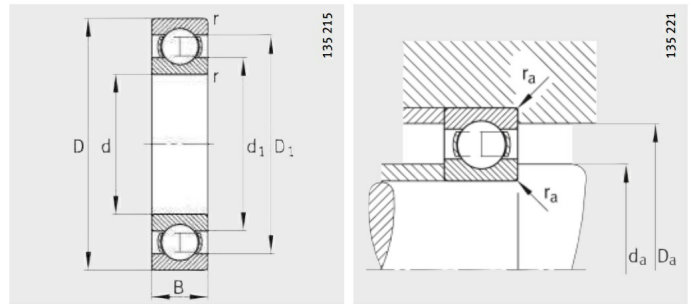


# 6030-C3

Deep groove ball bearings open design, self-retaining



Mounting dimensions  
Open design

## Technical sheet of 6030-C3

### What are the Benefits of choosing 6030-C3 bearings?

- **Versatile Load Bearing:** Capable of simultaneously withstanding radial and bidirectional axial loads, suitable for high-speed and ultra-high-speed applications.
- **Low Friction and Long Life:** Optimized contact between the raceway and steel balls results in an extremely low coefficient of friction, minimal heat generation, and a long service life.
- **High Speed Capability:** Due to high operational precision, it allows for very high maximum speeds.
- **Low Maintenance Costs:** Can be designed with dust covers or sealing rings for lifetime lubrication, requiring no routine maintenance.
- **Rigid and Quiet Operation:** Provides a certain level of rotational stiffness while maintaining low operating noise and vibration levels.

Type :	Single row deep groove ball bearings	
Model :	<a href="#">6030-C3</a>	
Old Code :	6030C3	
Main demensions :	150 mm × 225 mm × 35 mm	Bore Dia × Outside Dia × Width Dia
M kg:	4.32	Mass
HS Code :	8482102000	Bearing customs code
d mm:	150	inner ring diameter

<b>D mm:</b>	225	Outer ring diameter
<b>B(T) mm:</b>	35	Overall Width
<b>Cr kN:</b>	130.901	Radial dynamic load rating
<b>C<sub>0r</sub> kN:</b>	123.905	Radial static load rating
<b>Grease r/min:</b>	3818	Reference speed
<b>Oil r/min:</b>	3913	Limiting speed

#### Detailed parameters and installation dimensions:

Part Number	6030-C3
Series	60
Bearing Mass - m	4.32 kg   9.524 lb
Reference speed - $n_B$	3818 min <sup>-1</sup>
Limiting speed - $n_G$	3913 min <sup>-1</sup>
Reference From	FAG 6030-C3
Dimension Inside - d $\phi$ (mm)	150
Dimension Outside - D $\Phi$ (mm)	225
Dimension Width - B (mm)	35
Bore Type	Z = Cylindrical bore
Bearing Type	Deep groove ball bearings open design, self-retaining
Dimension - r(min.)	2.1 mm   0.083 inch
Dimension - D <sub>1</sub>	201.42 mm   7.930 inch
Dimension - d <sub>1</sub>	174.36 mm   6.865 inch
Rows NO.	one
Mounting dimensions - d <sub>a</sub> (min.)	160.2 mm   6.307 inch
Seal	Open
Mounting dimensions - D <sub>a</sub> (max.)	214.8 mm   8.457 inch
Mounting dimensions - r <sub>a</sub> (max.)	2.1 mm   0.083 inch
Cage	JN = Stamping steel cage
RIC	C3
Manufacturer Part Code	6030.C3
Radial Dynamic Capacity - C <sub>r</sub>	130901 N   29426 lbf
Radial static Capacity - C <sub>0r</sub>	123905 N   27853 lbf
Heat stabilization	S0 = (up to 150 °C)
Lubricant	Without
Dimension Inside - d $\phi$ (inch)	5.905
Dimension Outside - D $\Phi$ (inch)	8.858
Dimension Width - B (inch)	1.378
Temperature - T(min)	-30°C
Temperature - T(max)	150°C
Equivalent	6030.C3
Radial Fatigue Capacity - C <sub>ur</sub>	5578 N   1253 lbf

Coefficient - F <sub>0</sub>	16
Ring Material	GCr15SiMn

### What are the applications of the 6030-C3 bearing?

- **Motors/Electrical Appliances:** Used in motors and home appliances. Ensures smooth high-speed operation and low noise.
- **Automotive Industry:** Used in generators and gearboxes. Suitable for medium loads and offers high reliability.
- **General Machinery:** Used in pumps, fans, and speed reducers. Low friction, maintenance-free, and long service life.

**Tradebearing(TBS):** <https://en.tradebearings.com/>

Email: [admin@tradebearings.com](mailto:admin@tradebearings.com)  
Whatsapp/Mob.: +86 15906428604